

R307. Environmental Quality, Air Quality.**R307-347. Large Appliance Surface Coating.****R307-347-1. Purpose.**

The purpose of this rule is to reduce volatile organic compound (VOC) emissions from large appliance surface coating operations.

R307-347-2. Applicability.

R307-347 applies to large appliance coating operations, including related cleaning activities, that have the potential to emit 2.7 tons a year of VOC and that are located in Box Elder, Cache, Davis, Salt Lake, Tooele, Utah, and Weber counties.

R307-347-3. Exemptions

The requirements of R307-347 shall not apply to the following:

- (1) Stencil coatings;
- (2) Safety-indicating coatings;
- (3) Solid-film lubricants;
- (4) Electric-insulating and thermal-conducting coatings;
- (5) Touch-up and repair coatings; or
- (6) Coating application utilizing hand-held aerosol cans.

R307-347-4. Definitions.

The following additional definitions apply to R307-347:

"Air dried coating" means coatings that are dried by the use of air or a forced warm air at temperatures up to 90 degrees C (194 degrees F).

"Coating" means a protective, functional, or decorative film applied in a thin layer to a surface. This term often applies to paints such as lacquers or enamels, but is also used to refer to films applied to paper, plastics, or foil.

"Extreme performance coatings" means coatings designed for harsh exposure or extreme environmental conditions.

"Large appliances" means doors, cases, lids, panels, and interior support parts of residential and commercial washers, dryers, ranges, refrigerators, freezers, water heaters, dishwashers, trash compactors, air conditioners, and other similar products.

R307-347-5. Emission Standards.

Each owner or operator shall not apply coatings with a VOC content in excess of the amounts specified in Table 1 or shall use an add-on control device as specified in R307-347-7.

TABLE 1

Large Appliance Coating Limitations
(values in pounds VOC per gallon of coating, minus water, as applied)

COATING CATEGORY	VOC EMISSION RATES	
	Baked	Air Dried
General, one component	2.3	2.3
General, multi-component	2.3	2.8
Extreme high gloss	3.0	2.8
Extreme performance	3.0	3.5
Heat resistance	3.0	3.5
Solar absorbent	3.0	3.5
Metallic	3.5	3.5
Pretreatment coatings	3.5	3.5

R307-347-6. Work Practices and Recordkeeping.

- (1) The owner or operator shall:
 - (a) Store all VOC-containing coatings, thinners, and cleaning materials in closed containers;
 - (b) Minimize spills of VOC-containing coatings, thinners, and cleaning materials;
 - (c) Clean up spills immediately;
 - (d) Convey any coatings, thinners, and cleaning materials in closed containers or pipes;
 - (e) Close mixing vessels that contain VOC coatings and other materials except when specifically in use;
 - (f) Minimize usage of solvents during cleaning of storage, mixing, and conveying equipment; and
 - (g) Dispose of dirty cleanup solvent by recycling, reclaiming, or by incineration in an incinerator approved to process hazardous materials or by an alternate means approved by the director.

- (2) The owner or operator shall maintain records from the manufacturer that demonstrates compliance with the emission standards of R307-348-5.

R307-347-7. Optional Add-On Controls.

- (1) The owner or operator may install and maintain an incinerator, carbon adsorption, or any other add-on emission control device, provided that the emission control device will attain at least 90% efficiency performance.

- (2) The owner or operator of a control device shall provide

1 certification from the manufacturer that the emission control system
2 will attain required efficiency performance.

3 (3) Emission control systems shall be operated and maintained
4 in accordance with the manufacturer recommendations. The owner or
5 operator shall maintain for a minimum of two years records of operating
6 and maintenance sufficient to demonstrate that the equipment is being
7 operated and maintained in accordance with the manufacturer
8 recommendations.

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10 **R307-347-8. Compliance Schedule.**

11 All sources in Davis and Salt Lake counties shall be subject to
12 this rule upon the effective date. Sources in Box Elder, Cache, Tooele,
13 Utah and Weber counties shall be in compliance with the rule by
14 September 1, 2013.

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16 **KEY: air pollution, large appliance, surface coating,**

17 **Date of Enactment or Last Substantive Amendment: 2012**

18 **Authorizing, and Implemented or Interpreted Law: 19-2-104(1)(a)**